

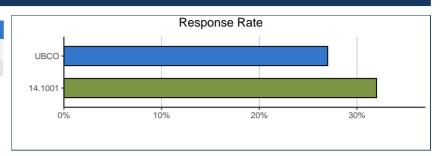
B.C. Baccalaureate Outcomes 2024 Survey of 2022 Baccalaureate Graduates

UBCO 14.1001

Detailed Summary of Survey Results
University of British Columbia Okanagan
14.1001: Electrical and electronics engineering

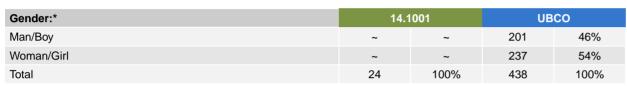
RESPONSE RATE

| Survey Response Rate: | 14.1001 | | UBCO | |
|---------------------------------------|---------|------|-------|------|
| Baccalaureate Graduates Survey Cohort | 74 | 100% | 1,608 | 100% |
| Survey Respondents and Response Rate | 24 | 32% | 438 | 27% |

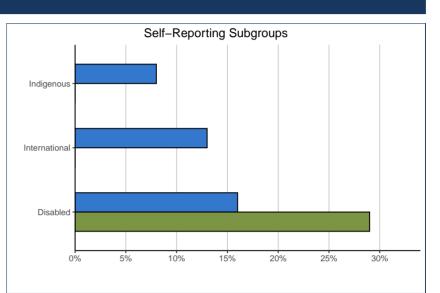


DEMOGRAPHIC INFORMATION

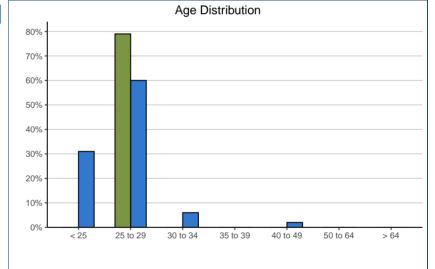
| Self-Reporting Subgroups: | 14.1001 | | UBCO | |
|---------------------------|---------|-----|------|-----|
| Disabled | 7 | 29% | 68 | 16% |
| International | ~ | ~ | 55 | 13% |
| Indigenous | 0 | 0% | 32 | 8% |



^{*}Due to zero or low counts, institution-reported "Non-Binary" demographic data are not included



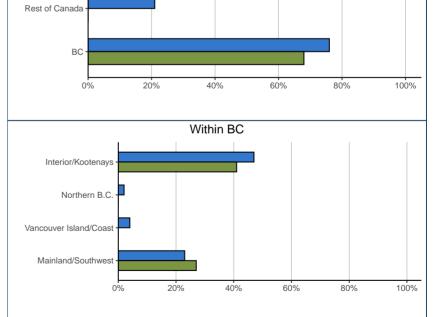
| Age (at time of survey): | 14.1001 | | UBCO | |
|--------------------------|---------|------|------|------|
| < 25 | ~ | ~ | 135 | 31% |
| 25 to 29 | 19 | 79% | 262 | 60% |
| 30 to 34 | ~ | ~ | 24 | 6% |
| 35 to 39 | ~ | ~ | ~ | ~ |
| 40 to 49 | 0 | 0% | 7 | 2% |
| 50 to 64 | 0 | 0% | ~ | ~ |
| > 64 | 0 | 0% | ~ | ~ |
| Total | 24 | 100% | 436 | 100% |
| Median Age | 25 | | 25 | |
| Average (mean) Age | 26 | | 26 | |



Place of Residence

USA -

| Place of Deal Lance (et days of a second | 4.4 | 1001 | | 00 |
|--|---------|------|------|------|
| Place of Residence (at time of survey): | 14.1001 | | UBCO | |
| BC – Mainland/Southwest | 6 | 27% | 90 | 23% |
| BC - Vancouver Island/Coast | 0 | 0% | 17 | 4% |
| BC – Northern B.C. | 0 | 0% | 9 | 2% |
| BC – Interior/Kootenays | 9 | 41% | 185 | 47% |
| BC Subtotal | 15 | 68% | 301 | 76% |
| Canada – Alberta | ~ | ~ | 52 | 13% |
| Canada – Ontario | 0 | 0% | 16 | 4% |
| Canada – Other | ~ | ~ | 15 | 4% |
| U.S.A. | 0 | 0% | 10 | 3% |
| Non-BC Subtotal | 7 | 32% | 93 | 24% |
| Total | 22 | 100% | 394 | 100% |





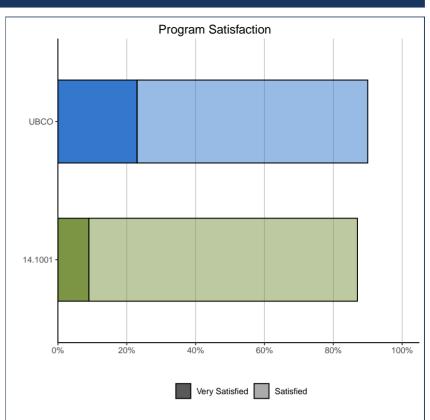


EDUCATION EVALUATION AND SKILL DEVELOPMENT

| Program Satisfaction: | 14.1001 | | UBCO | |
|-----------------------|---------|------|------|------|
| Very Satisfied | 2 | 9% | 100 | 23% |
| Satisfied | 18 | 78% | 288 | 67% |
| Dissatisfied | 2 | 9% | 32 | 7% |
| Very Dissatisfied | 1 | 4% | 9 | 2% |
| Total | 23 | 100% | 429 | 100% |

| Usefulness of Knowledge, Skills, and Abilities Acquired during Program in Work: | 14. | 14.1001 | | СО |
|---|-----|---------|-----|------|
| Very Useful | 5 | 24% | 121 | 37% |
| Somewhat Useful | 12 | 57% | 147 | 44% |
| Not Very Useful | 2 | 10% | 46 | 14% |
| Not at All Useful | 2 | 10% | 17 | 5% |
| Total | 21 | 100% | 331 | 100% |
| Not at All Useful | 2 | 10% | | 17 |

| Took upgrading, access, bridging, or other preparatory courses during or prior to studies: | 14. | 14.1001 | | UBCO | |
|--|-----|---------|-----|------|--|
| Yes | 1 | 4% | 35 | 8% | |
| No | 22 | 96% | 392 | 92% | |



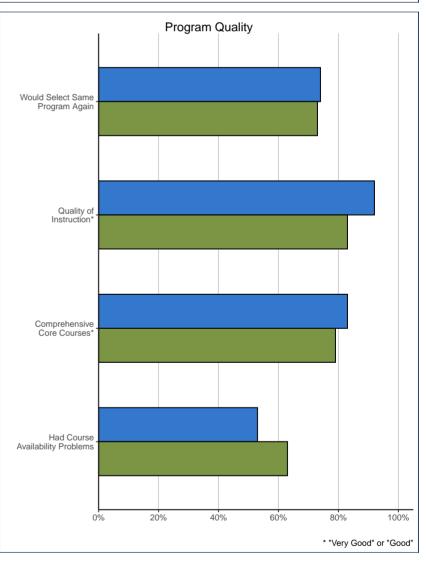
| Would select the same program again: | 14.1001 | | UBCO | |
|--------------------------------------|---------|-----|------|-----|
| Yes | 16 | 73% | 291 | 74% |
| No | 6 | 27% | 100 | 26% |

| Quality of Instruction: | 14. | 14.1001 | | UBCO | |
|-------------------------|-----|---------|-----|------|--|
| Very Good | 2 | 8% | 106 | 25% | |
| Good | 18 | 75% | 288 | 67% | |
| Poor | 2 | 8% | 31 | 7% | |
| Very Poor | 2 | 8% | 7 | 2% | |
| Total | 24 | 100% | 432 | 100% | |

| Comprehensiveness of Core Courses: | 14.1001 | | UBCO | |
|------------------------------------|---------|------|------|------|
| Very Good | 5 | 21% | 105 | 24% |
| Good | 14 | 58% | 255 | 59% |
| Poor | 5 | 21% | 64 | 15% |
| Very Poor | 0 | 0% | 6 | 1% |
| Total | 24 | 100% | 430 | 100% |

| Course Availability: | 14.1001 | | UBCO | |
|--|---------|-----|------|-----|
| Encountered course availability problems | 15 | 63% | 221 | 53% |

| Financial Constraints: | 14.1001 | | UB | СО |
|---|---------|-----|----|-----|
| Had to interrupt studies for financial reasons | 3 | 13% | 33 | 8% |
| Had to take program part-time for financial reasons | 1 | 4% | 50 | 11% |



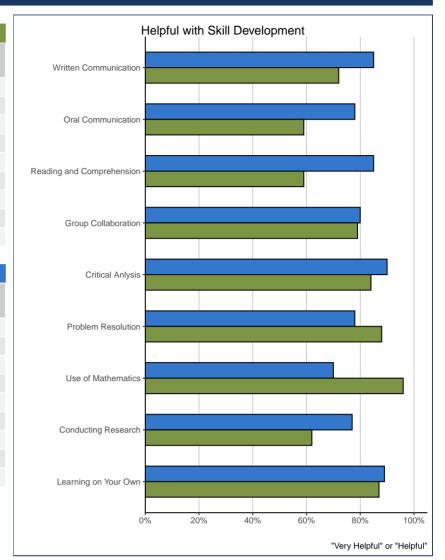




SKILL DEVELOPMENT

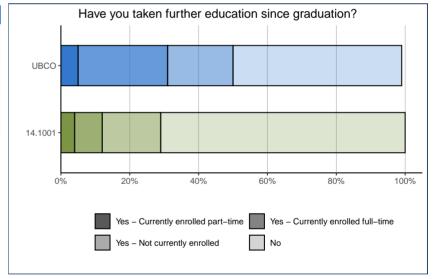
| | | | 14.1001 | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 27% | 45% | 23% | 5% | 22 |
| Oral Communication | 18% | 41% | 32% | 9% | 22 |
| Reading and Comprehension | 21% | 38% | 42% | 0% | 24 |
| Group Collaboration | 33% | 46% | 17% | 4% | 24 |
| Critical Anlysis | 63% | 21% | 17% | 0% | 24 |
| Problem Resolution | 38% | 50% | 13% | 0% | 24 |
| Use of Mathematics | 79% | 17% | 4% | 0% | 24 |
| Conducting Research | 33% | 29% | 33% | 4% | 24 |
| Learning on Your Own | 54% | 33% | 13% | 0% | 24 |

| | | | UBCO | | |
|---|-----------------|---------|---------------------|-----------------------|---------|
| Skill Development: How helpful was institution? | Very Helpful | Helpful | Not Very Helpful | Not at All Helpful | # Resp. |
| Written Communication | 28% | 57% | 13% | 2% | 422 |
| Oral Communication | 23% | 55% | 19% | 3% | 431 |
| Reading and Comprehension | 29% | 56% | 14% | 1% | 429 |
| Group Collaboration | 30% | 50% | 18% | 3% | 433 |
| Critical Anlysis | 43% | 47% | 9% | 1% | 436 |
| Problem Resolution | 25% | 53% | 19% | 3% | 424 |
| Use of Mathematics | 30% | 40% | 22% | 8% | 366 |
| Conducting Research | 33% | 44% | 19% | 5% | 416 |
| Learning on Your Own | 46% | 43% | 9% | 2% | 425 |

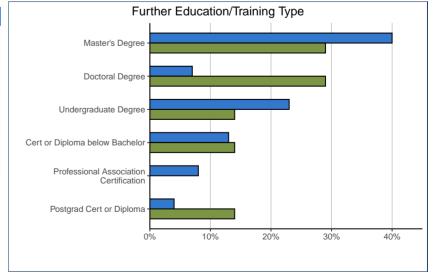


FURTHER EDUCATION

| Took further education since 2022 graduation: | 14.1001 | | UBCO | |
|---|---------|------|------|------|
| Yes | 7 | 29% | 222 | 51% |
| Not currently enrolled | 4 | 17% | 85 | 19% |
| Currently enrolled full-time | 2 | 8% | 114 | 26% |
| Currently enrolled part-time | 1 | 4% | 23 | 5% |
| No | 17 | 71% | 215 | 49% |
| Total | 24 | 100% | 437 | 100% |



| Type of Formal Post-Secondary Education: | 14. | 14.1001 | | всо |
|---|-----|---------|-----|------|
| Master's Degree | 2 | 29% | 89 | 40% |
| Doctoral Degree | 2 | 29% | 16 | 7% |
| Another Undergraduate Degree | 1 | 14% | 50 | 23% |
| Certificate or Diploma below Bachelor Level | 1 | 14% | 29 | 13% |
| Professional Association Certification | 0 | 0% | 17 | 8% |
| Postgraduate Certificate or Diploma | 1 | 14% | 9 | 4% |
| Other | 0 | 0% | 11 | 5% |
| Total | 7 | 100% | 221 | 100% |





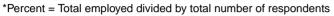
EMPLOYMENT

47

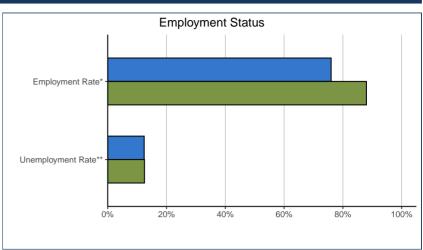
12.4%

12.5%

| Labour Fource Status: | 14.1001 | | 14.1001 UBCC | | | |
|---|---------|------|--------------|------|----|----|
| In Labour Force (working or seeking work) | 24 100% | | 379 | 89% | | |
| Not in Labour Force | 0 | 0% | 47 | 11% | | |
| Total | 24 | 100% | 426 | 100% | | |
| | | | | | | |
| Employment: | 14.1001 | | 14.1001 | | UB | СО |
| Employment Rate* | 21 88% | | 332 | 76% | | |



^{**}Percent = Total unemployed divided by total number in labour force



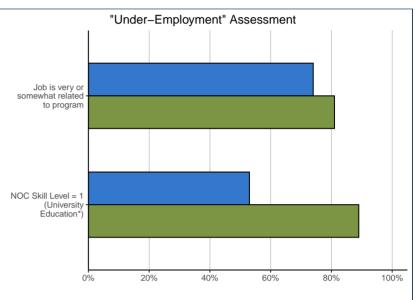
| Status of Graduates NOT in Labour Force: | 14.1001 | | UBCO | |
|--|---------|----|------|------|
| Attending School FT | 0 | 0% | 39 | 83% |
| Attending School PT | 0 | 0% | 0 | 0% |
| Other | 0 | 0% | 8 | 17% |
| Total NOT in Labour Force | 0 | 0% | 47 | 100% |

| Primary Employment Type: | 14.1001 | | UB | СО |
|--------------------------|---------|------|-----|------|
| Paid Worker | 21 | 100% | 316 | 96% |
| Self-Employed | 0 | 0% | 14 | 4% |
| Total | 21 | 100% | 330 | 100% |

| Job Characteristics: | 14. | 14.1001 | | СО |
|---|-----|---------|-----|-----|
| I hold more than one job* | 1 | 5% | 57 | 17% |
| My main job is full-time (>= 30 hours per week)** | 21 | 100% | 276 | 86% |

^{*}Of total employed

Unemployment Rate**



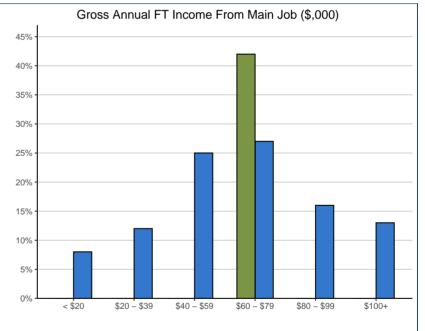
| How related is your main job to your program? | 14.1001 | | UB | СО |
|---|---------|------|-----|------|
| Very Related | 8 | 38% | 119 | 36% |
| Somewhat Related | 9 | 43% | 126 | 38% |
| Not Very Related | 3 | 14% | 38 | 11% |
| Not at All Related | 1 | 5% | 49 | 15% |
| Total | 21 | 100% | 332 | 100% |

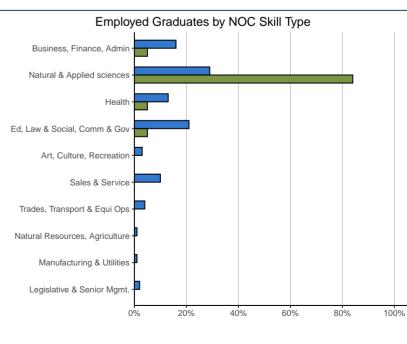
| 14.1001 | | UB | co |
|---------|------------------|--------|------------|
| 17 | 81% | 245 | 74% |
| 17 | 89% | 169 | 53% |
| | 14.1 17 17 | 17 81% | 17 81% 245 |

| *Of total valid responses; NC | OC 2021 (TEER) |
|-------------------------------|----------------|
|-------------------------------|----------------|

| Gross Annual Income from Main Job:* | 14.1001 | | UB | CO |
|--|---------|------|--------|------|
| Less than \$20,000 | 0 | 0% | 20 | 8% |
| \$20,000 to \$39,999 | ~ | ~ | 31 | 12% |
| \$40,000 to \$59,999 | ~ | ~ | 64 | 25% |
| \$60,000 to \$79,999 | 8 | 42% | 68 | 27% |
| \$80,000 to \$99,999 | ~ | ~ | 41 | 16% |
| \$100,000 and Above | ~ | ~ | 32 | 13% |
| Total | 19 | 100% | 256 | 100% |
| Median Annual Income (full-time) (\$) | 78,750 | | 68,000 | |
| Average Annual Income (full-time) (\$) | 85,710 | | 75,041 | |
| *Where data provided | | | | |

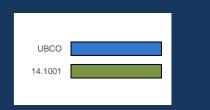
| NOC Skill Type of Main Job (NOC 2021): | 14.1001 | | UBCO | |
|---|---------|------|------|------|
| Legislative and senior management | 0 | 0% | 5 | 2% |
| Business, finance & administration | 1 | 5% | 49 | 16% |
| Natural & applied sciences & related | 16 | 84% | 93 | 29% |
| Health | 1 | 5% | 42 | 13% |
| Education, law and social, community & government | 1 | 5% | 66 | 21% |
| Art, culture, recreation & sport | 0 | 0% | 11 | 3% |
| Sales & service | 0 | 0% | 33 | 10% |
| Trades, transport & equipment operators & related | 0 | 0% | 12 | 4% |
| Natural resources, agriculture & related production | 0 | 0% | 3 | 1% |
| Manufacturing & utilities | 0 | 0% | 2 | 1% |
| Total | 19 | 100% | 316 | 100% |





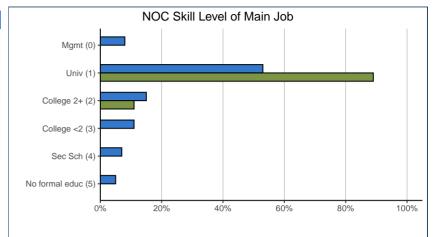
^{**}Of those who provided data on hours/week worked





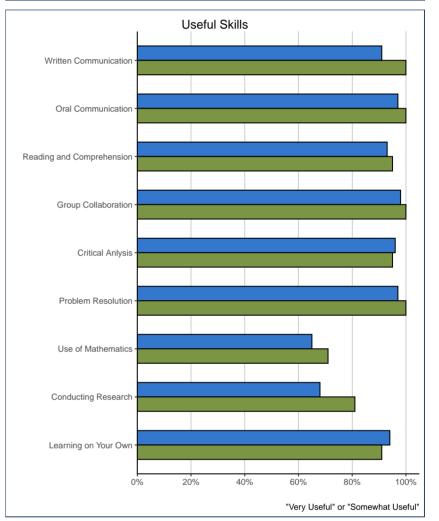
EMPLOYMENT, continued

| NOC Skill Level of Main Job (NOC 2021 (TEER)): | 14.1001 | | UBCO | |
|--|---------|------|------|------|
| 0. Management | 0 | 0 0% | | 8% |
| 1. University education | | 89% | 169 | 53% |
| 2. College education/trade apprenticeship (2+ years) | 2 | 11% | 48 | 15% |
| 3. College education/trade apprenticeship (<2 years) | 0 | 0% | 35 | 11% |
| 4. Secondary school + job-specific training | 0 | 0% | 23 | 7% |
| 5. No formal education | 0 | 0% | 16 | 5% |
| Total | 19 | 100% | 316 | 100% |



| | | 14.1001 | | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very Useful | Somewhat Useful | Not Very Useful | Not at All Useful | # Resp. |
| Written Communication | 71% | 29% | 0% | 0% | 21 |
| Oral Communication | 90% | 10% | 0% | 0% | 21 |
| Reading and Comprehension | 76% | 19% | 5% | 0% | 21 |
| Group Collaboration | 81% | 19% | 0% | 0% | 21 |
| Critical Anlysis | 71% | 24% | 5% | 0% | 21 |
| Problem Resolution | 71% | 29% | 0% | 0% | 21 |
| Use of Mathematics | 57% | 14% | 29% | 0% | 21 |
| Conducting Research | 43% | 38% | 5% | 14% | 21 |
| Learning on Your Own | 86% | 5% | 5% | 5% | 21 |

| | | UBCO | | | |
|---|----------------|--------------------|--------------------|----------------------|---------|
| How useful are the following skills and abilities in doing your main job? | Very Useful | Somewhat Useful | Not Very Useful | Not at All Useful | # Resp. |
| Written Communication | 69% | 22% | 7% | 3% | 329 |
| Oral Communication | 79% | 18% | 1% | 1% | 330 |
| Reading and Comprehension | 75% | 18% | 4% | 3% | 331 |
| Group Collaboration | 82% | 16% | 1% | 0% | 330 |
| Critical Anlysis | 75% | 21% | 3% | 1% | 331 |
| Problem Resolution | 78% | 19% | 2% | 0% | 330 |
| Use of Mathematics | 32% | 33% | 22% | 14% | 323 |
| Conducting Research | 36% | 32% | 16% | 15% | 325 |
| Learning on Your Own | 72% | 22% | 3% | 3% | 331 |



| Top 10 Full-Tin | ne Occupations of 14.1001 | Graduates*: | 14.1001 |
|-----------------|---------------------------|--------------------------------------|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| 21310 | 1 | Electrical and electronics engineers | 52% |
| * | | | |
| * | | | |
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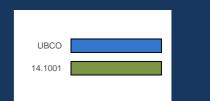
 $^{^{\}star}$ Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed

| Top 10 Full-Time Occupations of UBCO Graduates*: | | | UBCO |
|--|-----------------|---|------------------------------|
| NOC_2021 | NOC Skill Level | Description | % Employed FT in this Occ.** |
| 31301 | 1 | Registered nurses and registered psychiatric nurses | 5% |
| 21300 | 1 | Civil engineers | 5% |
| 21310 | 1 | Electrical and electronics engineers | 4% |
| XXXXX | X | Unclassified occupations | 4% |
| 21301 | 1 | Mechanical engineers | 3% |
| 21232 | 1 | Software developers and programmers | 2% |
| 42201 | 2 | Social and community service workers | 2% |
| 11100 | 1 | Financial auditors and accountants | 2% |
| 13100 | 3 | Administrative officers | 2% |
| 21231 | 1 | Software engineers and designers | 2% |

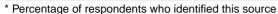
^{*} Data not displayed where n < 5; NOC 2021

^{**} Percentages cited are of those employed



EDUCATION FINANCING

| Funding Sources (3 sources allowed):* | | 1001 | UBCO | |
|---------------------------------------|----|-------|------|-----|
| Personal savings, investments | 9 | 9 38% | | 38% |
| Employment while studying | | 42% | 220 | 51% |
| Family/Friends | 16 | 67% | 258 | 60% |
| Personal bank loans | 0 | 0% | 25 | 6% |
| Government student loans | 13 | 54% | 155 | 36% |
| Scholarships/Bursaries/Grants | 8 | 33% | 165 | 38% |
| Other | 3 | 13% | 84 | 19% |
| Total | 24 | | 433 | |



| Financial Debt Incurred to Finance Bac. Ed.:* | 14.1 | 1001 | UB | СО |
|---|------|------|-----|-----|
| Incurred any form of financial debt | 14 | 58% | 192 | 45% |
| Incurred government-sponsored student loan debt | 14 | 58% | 172 | 39% |

^{*} Percentage of respondents who provided data



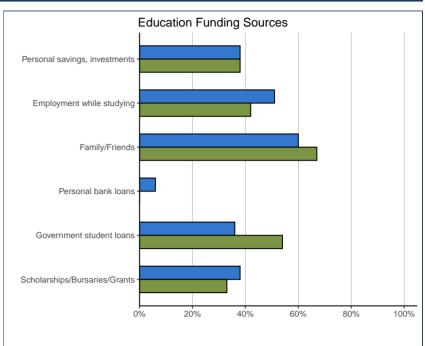
^{*} Includes only cases where financial debt was incurred

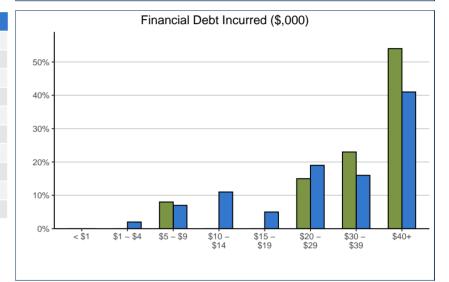


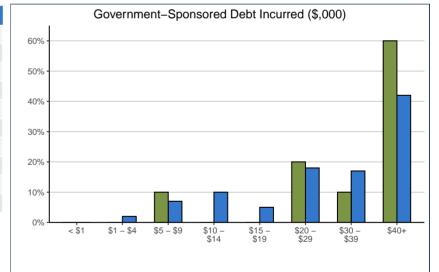
^{*} Includes only cases where government-sponsored debt was incurred

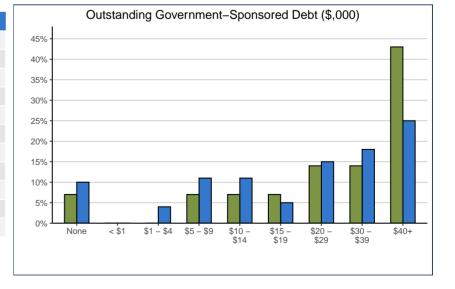


^{*} Includes only cases where government–sponsored debt was incurred, and valid "amount remaining" was provided









^{**} Median amounts shown are based on those who had remaining government student loan debt